

GEOTECHNICAL BORING REPORT BORE LOG

WBS 100-01-00432	TIP N/A	COUNTY YANCEY	GEOLOGIST J. Baskin
SITE DESCRIPTION 5354 Jacks Creek Rd. for Bridge over Jacks Creek			GROUND WTR (ft)
BORING NO. EB1	STATION N/A	OFFSET N/A	ALIGNMENT N/A
COLLAR ELEV. 997.6 ft	TOTAL DEPTH 20.7 ft	NORTHING 822,771	EASTING 1,021,203
DRILL RIG/HAMMER EFF./DATE F&R7348 CME-750X 87% 12/20/2024		DRILL METHOD NW Casing w/ Core	HAMMER TYPE Automatic
DRILLER S. Davis	START DATE 11/19/25	COMP. DATE 11/19/25	SURFACE WATER DEPTH N/A

ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION	DEPTH (ft)	
			0.5ft	0.5ft	0.5ft	0	25	50	75	100						ELEV. (ft)
1000																
	997.6	0.0													997.6	GROUND SURFACE 0.0
995	994.1	3.5	2	2	2	4										ALLUVIAL Brown, Clayey Fine to Coarse Sandy SILT (A-4) with Trace Mica and Gravel
			1	1	5											
990	989.1	8.5													989.6	8.0
	987.9	9.7	100/0.2							100/0.2					987.9	9.7
			60/0.0							60/0.0						
985																WEATHERED ROCK Black AMPHIBOLITE
																CRYSTALLINE ROCK Medium Hard to Hard, Slightly to Moderately Severely Weathered Dark Green-Black AMPHIBOLITE with Very Close to Close Fracture Spacing
980																
															976.9	20.7
Boring Terminated at Elevation 976.9 ft in CRYSTALLINE ROCK (AMPHIBOLITE)																
Notes: 1. 0Hr Cave Depth at 5.1' 2. Driller Noted Harder Drilling at 8.0'																

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NCDOT BORE SINGLE SITE 100-01-00432 YANCEY COUNTY BORING LOGS.GPJ NC_DOT.GDT 11/21/25

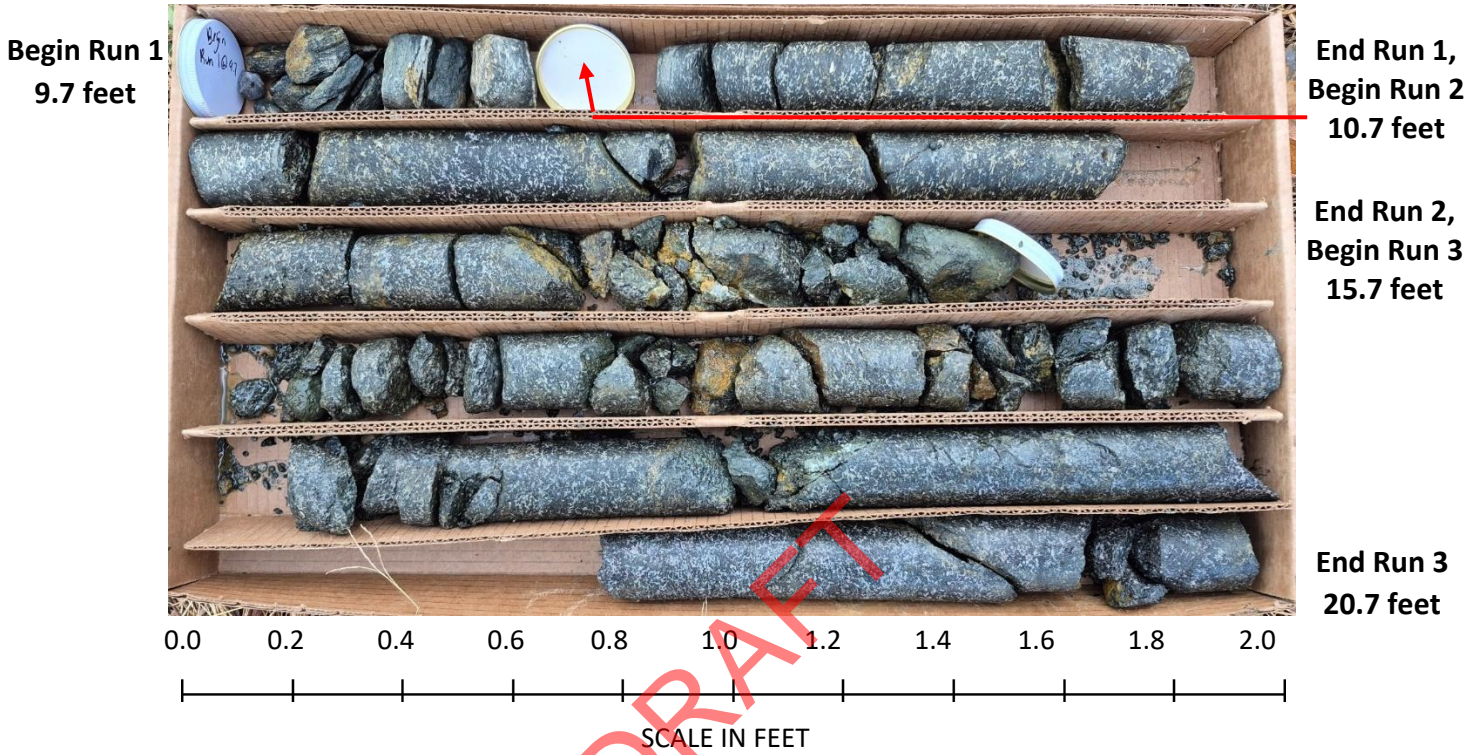
GEOTECHNICAL BORING REPORT CORE LOG

WBS 100-01-00432				TIP N/A		COUNTY YANCEY			GEOLOGIST J. Baskin			
SITE DESCRIPTION 5354 Jacks Creek Rd. for Bridge over Jacks Creek										GROUND WTR (ft)		
BORING NO. EB1			STATION N/A			OFFSET N/A			ALIGNMENT N/A			
COLLAR ELEV. 997.6 ft			TOTAL DEPTH 20.7 ft			NORTHING 822,771			EASTING 1,021,203			
DRILL RIG/HAMMER EFF./DATE F&R7348 CME-750X 87% 12/20/2024						DRILL METHOD NW Casing w/ Core			HAMMER TYPE Automatic			
DRILLER S. Davis				START DATE 11/19/25			COMP. DATE 11/19/25			SURFACE WATER DEPTH N/A		
CORE SIZE NQ3				TOTAL RUN 11.0 ft								
ELEV (ft)	RUN ELEV (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN		SAMP. NO.	STRATA		LOG	DESCRIPTION AND REMARKS	
					REC. (ft) %	RQD (ft) %		REC. (ft) %	RQD (ft) %			
987.93	987.9	9.7	1.0	N=60/0.0	(0.6)	(0.0)		(9.1)	(3.2)		Begin Coring @ 9.7 ft	
985	986.9	10.7	5.0	2:19/1.0	60%	0%		83%	29%		987.9 CRYSTALLINE ROCK Medium Hard to Hard, Slightly to Moderately Severely Weathered Dark Green-Black AMPHIBOLITE with Very Close to Close Fracture Spacing	
				2:25/1.0	(4.2)	(1.8)						
				2:23/1.0	84%	36%						
980	981.9	15.7	5.0	2:27/1.0								
				2:46/1.0								
				2:03/1.0								
				2:12/1.0	(4.3)	(1.4)						
				2:30/1.0	86%	28%						
				2:22/1.0								
				1:59/1.0								
	976.9	20.7		1:47/1.0							976.9	
Boring Terminated at Elevation 976.9 ft in CRYSTALLINE ROCK (AMPHIBOLITE)												
Notes: 1. 0Hr Cave Depth at 5.1' 2. Driller Noted Harder Drilling at 8.0'												

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CORE PHOTOGRAPH (EB-1): Replace Bridge over Jacks Creek on Jacks Creek Rd (SR 1336)



GEOTECHNICAL BORING REPORT BORE LOG


WBS 100-01-00432		TIP N/A		COUNTY YANCEY		GEOLOGIST J. Baskin										
SITE DESCRIPTION 5354 Jacks Creek Rd. for Bridge over Jacks Creek							GROUND WTR (ft)									
BORING NO. EB2		STATION N/A		OFFSET N/A		ALIGNMENT N/A	0 HR. 4.3									
COLLAR ELEV. 998.2 ft		TOTAL DEPTH 12.2 ft		NORTHING 822,751		EASTING 1,021,262	24 HR. FIAD									
DRILL RIG/HAMMER EFF./DATE F&R7348 CME-750X 87% 12/20/2024				DRILL METHOD H.S. Augers		HAMMER TYPE Automatic										
DRILLER S. Davis		START DATE 11/19/25		COMP. DATE 11/19/25		SURFACE WATER DEPTH N/A										
ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG MOI	SOIL AND ROCK DESCRIPTION	DEPTH (ft)		
			0.5ft	0.5ft	0.5ft	0	25	50	75	100						
1000																
	998.2	0.0	5	4	5	9						M	998.2	GROUND SURFACE	0.0	
995	994.7	3.5	3	3	2	5						M		ALLUVIAL Brown and Gray, Fine to Coarse Sandy SILT (A-4) with Trace Mica and Gravel		
990	989.7	8.5	1	3	8							M	991.2	RESIDUAL Black-White, Silty Fine to Coarse SAND (A-2-4)	7.0	
	986.0	12.2	60/0.0			60/0.0							M	987.7	WEATHERED ROCK White-Black AMPHIBOLITE	10.5
														986.0	Boring Terminated with Standard Penetration Test Refusal at Elevation 986.0 ft on CRYSTALLINE ROCK (AMPHIBOLITE)	12.2

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NCDOT BORE SINGLE SITE 100-01-00432 YANCEY COUNTY BORING LOGS.GPJ NC_DOT.GDT 11/21/25

- Notes:
 1. 0Hr Cave Depth at 5.1'
 2. Driller Noted Harder Drilling at 10.5'

GEOTECHNICAL BORING REPORT CORE LOG

WBS 011-01-e8aa7			TIP N/A			COUNTY BUNCOMBE			GEOLOGIST J. Baskin		
SITE DESCRIPTION 11 Softwind Trail for Culvert at Warren Creek										GROUND WTR (ft)	
BORING NO. EB1			STATION N/A			OFFSET N/A			ALIGNMENT N/A		
COLLAR ELEV. 997.1 ft			TOTAL DEPTH 14.3 ft			NORTHING N/A			EASTING N/A		
DRILL RIG/HAMMER EFF./DATE F&R7348 CME-750X 87% 12/20/2024						DRILL METHOD NW Casing W/SPT & Core			HAMMER TYPE Automatic		
DRILLER S. Davis			START DATE 11/20/25			COMP. DATE 11/20/25			SURFACE WATER DEPTH N/A		
CORE SIZE NQ3			TOTAL RUN 10.0 ft								
ELEV (ft)	RUN ELEV (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN		STRATA		L O G	DESCRIPTION AND REMARKS	DEPTH (ft)
					REC. (ft) %	RQD (ft) %	REC. (ft) %	RQD (ft) %			
992.78										Begin Coring @ 4.3 ft	
990	992.8	4.3	5.0	2:13/1.0 2:36/1.0 2:16/1.0 2:59/1.0 2:23/1.0	(4.6) 92%	(2.8) 56%	(9.6) 96%	(6.1) 61%		992.8	4.3
	987.8	9.3								Fresh to Slightly Weathered, Medium Hard to Hard, Gray MUSCOVITE GNEISS with Very Close to Moderately Close Fracture Spacing and Vertical Fractures	
985			5.0	2:30/1.0 2:51/1.0 2:42/1.0 2:50/1.0 2:54/1.0	(5.0) 100%	(3.3) 66%				982.8	14.3
	982.8	14.3								Boring Terminated at Elevation 982.8 ft in CRYSTALLINE ROCK (MUSCOVITE GNEISS)	

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NCDOT CORE SINGLE SITE 011-01-E8AA7 BUNCOMBE COUNTY BORING LOGS.GPJ NC_DOT.GDT 11/21/25



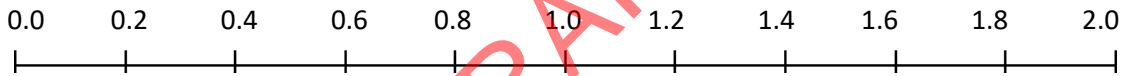
CORE PHOTOGRAPH (EB-1): Replace Culvert over Warren Creek on Softwind Trail

Begin Run 1
4.3 feet



End Run 1,
Begin Run 2
9.3 feet

End Run 2
14.3 feet



SCALE IN FEET

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